

# BAHAND ABDULRAHMAN

## CONTACT

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## EDUCATION

|Aug 2020 - May 2026|

### WALNUT HILLS HIGH SCHOOL

- Grade: 12
- Activities: FTC Robotics, Programming Club, Muslim Student Association

|May 2025 - PRESENT|

### UNIVERSITY OF CINCINNATI

- Ohio College Credit Plus Program
- College Engineering and Design Thinking I & II, Intro to Psychology, English Composition 1001, Financial Accounting

|Feb 2024|

### OPENCV UNIVERSITY

- Grade 11
- Completed OpenCV Bootcamp with Honors Level Certificate

## AWARDS AND CERTIFICATES

|Apr, 2025|

### COMPUTING AWARD - ROCHESTER INSTITUTE OF TECHNOLOGY

- To a Junior who demonstrates evidence of an interest and ability in computing
- \$96,000 Scholarship to RIT

|May, 2025|

### AP CAPSTONE DIPLOMA

- Presented by The College Board to a student who demonstrated exceptional research, analysis, and academic skills by completing AP Seminar, AP Research, and four additional AP exams.

## SKILLS

- Computer Vision & Deep Learning
- Team Leadership & Collaboration
- Project Management
- Spreadsheets & Data Analysis
- Public relations & Customer Service
- C++ (Arduino) and Java Programming
- Robotics/Mechatronics
- Information Technology
- CAD & 3D Design

## LANGUAGES

- English: Fluent
- Kurdish: Fluent
- Arabic: Licensed in reading and teaching Arabic Pronunciation

## ABOUT

- Senior at Walnut Hills High School with a passion for computer science, robotics/engineering, and Biology
- Aspires to pursue a career in Biomedical Engineering, making scientific instruments and prosthetics to better people's lives
- Co-founder and assistant teacher for the first online Arduino course in Kurdistan
- Teaches online Arabic pronunciation classes to youth and children.
- Completed numerous advanced computer science courses, proficient in Java, Arduino, Python, JavaScript, HTML, and CSS
- Capable of and recognized for great communication skills and strong team ethic

## EXPERIENCE

### FTC Robotics - Team 6133 The "NUTS!"

|May 2024 - PRESENT|

#### Team Member

- Programming Lead: Redesigned code and organized repositories. Created help guides for other team members to learn and use Github and Android Studio.
- Developed computer vision for the robot using neural networks, color thresholding, and OpenCV; helped global FTC teams implement Limelight vision.
- Worked on various functions of the robot using Android Studio with Java Programming. Worked with Autonomous and Driver Controlled contexts.
- Gained hands-on experience with CAD for designing robot components

### Arduino in Robotics

|Aug 2024 - May 2025|

#### Co-founder & Assistant Teacher

- Co-founded and assisted in teaching the first online Arduino curriculum in Kurdistan.
- Designed interactive lessons and mentored students in robotics and electronics
- Helped students develop practical skills through hands-on projects in electronics and programming
- Offered foundational learning opportunities in electronics and programming via online meetings

### Xavier University via INTERalliance of Greater Cincinnati |Jun 2025 - Aug 2025|

#### IT Intern

- Faculty & Staff system replacements (~25% of systems), Lab & Shared-use Systems (~50% of systems)
- Cleaned and managed Public Spaces, and prepared over 50 new hire systems
- Met with employees to assist with day-to-day IT problems
- I served as the student presenter/representative for Xavier at the INTERalliance internship showcase.

### INTERalliance Chapter of Walnut Hills High School

|Feb 2025 - PRESENT|

#### President

- Grew club 166% (15 to 40+ members). Launched the EagleVision project for digitizing microscopes and making them more affordable for low-income schools. We won \$10k in Samsung Solve for Tomorrow and are semi-finalists moving to the next phase!
- Set up and implemented a self-directed beginner programming curriculum

### Islamic Association of Cincinnati - Iftar Volunteer

|Ramadan 2023 - PRESENT|

#### Volunteer - Head of Communication

- Volunteered during Ramadan in 2023 through 2025, serving evening meals to the community
- Assisted in food preparation and ensured smooth food service operations
- Managed crowd control and maintained order using effective communication skills
- Served as Head of Communication for Ramadan 2025